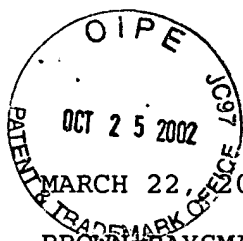


EXHIBIT A

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MARCH 22, 2001

BROWN RAYSMAN MILLSTEIN & ET AL  
MATTHEW J. MARQUARDT  
120 WEST 45TH STREET  
NEW YORK, NY 10036

PTAS



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

3815/10945



\*101579261A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/28/2000

REEL/FRAME: 011412/0960  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)

ASSIGNOR:  
ISHII, MINAMI

DOC DATE: 12/06/2000

ASSIGNOR:  
NAKAMURA, TAKEHIRO

DOC DATE: 12/06/2000

ASSIGNEE:  
NTT DOCOMO, INC.  
11-1, NAGATACHO 2-CHOME  
CHIYODA-KU  
TOKYO 100-6150, JAPAN

SERIAL NUMBER: 09750814  
PATENT NUMBER:

FILING DATE: 12/28/2000  
ISSUE DATE:

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OCT 29 2002  
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SAUNDRA BALLENGER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

M10 12-28-00



Attorney Docket No.: 3815/109

FORM PTO-1593  
1-31-92

101579261

DEPARTMENT OF COMMERCE  
Patent and Trademark Office**RECORDATION FORM COVER  
PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

**1. Name of conveying party(ies):**

Minami ISHII and Takehiro NAKAMURA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: December 6, 2000**2. Name and address of receiving party(ies):**Name: NTT Docomo, Inc.

Internal Address: \_\_\_\_\_

Street Address: 11-1, Nagatacho 2-chome,  
Chiyoda-ku,City: Tokyo State: Japan ZIP: 100-6150Additional name(s) & address(es) attached? ☐ Yes ☐ No**4. Application number(s) or patent number(s)**If this document is being filed together with a new application, the execution date of the application is: December 6, 2000

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No**5. Name and address of party to whom  
correspondence concerning document should be  
mailed:**BROWN RAYSMAN MILLSTEIN FELDER &  
STEINER LLP

120 West 45th Street

New York, New York 10036

(212) 944-1515

40.00 DP

**6. Total number of applications and patents  
involved:** 1**7. Total fee (37 CFR 3.41):**..... \$ 40.00☒ Check enclosed☐ Authorized to be charged to deposit account**8. Deposit account number:** 02-4270

(Attach duplicate copy of this page by deposit account)

Please charge any additional fees required, or credit any  
overpayment, to the above deposit account

DO NOT USE THIS SPACE

**9. Statement and signature.***To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy  
is a true copy of the original document.*Matthew J. Marquardt

Name of Person Signing

  
SignatureDecember 28, 2000

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

## ASSIGNMENT

WHEREAS, we, Minami ISHII, a citizen of Japan, residing at 4-1-15-302, Nakamachidai, Tsuzuki-ku, Yokohama-shi, Kanagawa 224-0041, Japan; and Takehiro NAKAMURA, a citizen of Japan, residing at #A-1103, 4-18-4, Nobi, Yokosuka-shi, Kanagawa 239-0841, Japan have invented one or more inventions disclosed in an application for Letters Patent of the United States titled

PATH TIMING DETECTING METHOD IN MOBILE  
COMMUNICATIONS SYSTEM AND BASE STATION

(hereinafter referred to as "said application"), said application having been filed herewith.

WHEREAS, NTT DoCoMo, Inc., (hereinafter referred to as "the Assignee"), a Japanese corporation, having a place of business at 11-1, Nagatacho 2-chome, Chiyoda-ku, Tokyo 100-6150, Japan; is desirous of obtaining all right, title and interest in, to and under said invention(s) and said application; and

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which we hereby acknowledge, we have sold, assigned, transferred and set over, and by these presents hereby sell, assign, transfer and set over to the Assignee all right, title and interest in, to and under said invention(s) and said application, including the right to apply for any Letters Patent of the United States of America and in any and all foreign countries on said invention(s), and any and all other applications for Letters Patent on said invention(s), in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part and convention applications based in whole or in part upon said invention(s) or upon said application, and any and all Letters Patent which may issue thereon. We hereby covenant and agree that we will, upon request of the Assignee, communicate to the Assignee any facts known to us relating to said invention(s) and the history thereof, testify in any legal proceeding, execute all lawful papers including without limitation all divisional, continuing and reissue applications and all rightful oaths and declarations, and generally do all further acts which may be deemed necessary by the Assignee to obtain and enforce proper patent protection for said invention(s) in all countries.

IN TESTIMONY WHEREOF, we have executed this document on the date indicated below.

Date: December 6, 2000

Minami Ishii

(Signature) Minami ISHII

Date: December 6, 2000

Takehiro Nakamura

(Signature) Takehiro NAKAMURA

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† ADMITTED ONLY IN CALIFORNIA

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EXPRESS MAILING LABEL NO. EL 733 591 327 US

PATENT APPLICATION  
Docket No: 15689.62

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Minami ISHII et al.

Serial No.: 09/750,814

Filing Date: December 28, 2000

Confirmation No.: 8262

For: **PATH TIMING DETECTING METHOD IN  
MOBILE COMMUNICATIONS SYSTEM  
AND BASE STATION**

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Art Unit  
2681

TRANSMITTAL FOR REVOCATION AND SUBSTITUTE POWER OF ATTORNEY  
and CHANGE OF ATTORNEY DOCKET NUMBER

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

Transmitted herewith for filing is a Revocation and Substitute Power of Attorney and Change of Attorney Docket Number. Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned. Triplicate copies of this letter are enclosed.

Dated this 25th day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



**022913**

PATENT TRADEMARK OFFICE

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Dated this 25th day of October, 2002.

Respectfully submitted,



ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



**022913**

PATENT TRADEMARK OFFICE

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EXPRESS MAILING LABEL NO. EL 733 591 327 US

PATENT APPLICATION  
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2681

## TRANSMITTAL FOR REVOCATION AND SUBSTITUTE POWER OF ATTORNEY and CHANGE OF ATTORNEY DOCKET NUMBER

Assistant Commissioner for Patents  
Washington, DC 20231

Sir:

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Dated this 25th day of October, 2002.

Respectfully submitted,



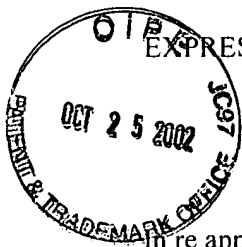
ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



**022913**

PATENT TRADEMARK OFFICE

10-28-02 M.S. 2681



EXPRESS MAILING LABEL NO. EL 733 591 327 US

PATENT APPLICATION

Docket No: 15689.62

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

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Serial No.: 09/750,814

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Confirmation No.: 8262

For: PATH TIMING DETECTING METHOD IN  
MOBILE COMMUNICATIONS SYSTEM  
AND BASE STATION

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CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

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OCT 29 2002

Assistant Commissioner for Patents  
Washington, DC 20231

Technology Center 2600

Sir:

I hereby certify that the following documents are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231, on this 25th day of October, 2002:

- Transmittal for Revocation and Substitute Power of Attorney and Change of Attorney Docket No. (2 pages, in triplicate)
- Revocation and Substitute Power of Attorney and Exhibit A (6 pages)
- Change of Attorney Docket Number (2 pages)
- Postcard

Respectfully submitted,

ADRIAN J. LEE  
Attorney for Applicant  
Registration No. 42,785



022913

PATENT TRADEMARK OFFICE